

Cerenkov Radiation from Dipoles, V. L. Ginzburg
and V. Ya. Eidman, 4 pp. *by*

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXV,
No 6(12), 1959, pp 1508-1512.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 6

Sci - Phys

Jun 59

89,084

The Radiation from an Electron Moving in a Magnetoactive Plasma, by V. Ya. Eidman, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXIV, No 1, 1958, pp 131-138.

Amer Inst of Phys
Sov Phys - JETP
Vol VII(34), No 1

Sci - Phys

Sep 58

73,246

The Effects of Overmaturity on Eggs of Tana
Penaeus, by H. Eidenm.

CENTRAL, per, Biologisches Zentralblatt,
Vol 42, No 3, 1922, pp 97-100.

IASA IT E-11,782

Sci
Dec 60

368,810

Rapid Methods of Controlling the Quality of Glaze
and Glazed Coatings, by Yu. Pa. Eiduk, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIX,
No 3, 1962, pp 32-35.

CB

Sci
Mx
May 64

260,223

61-20140

Eidus, B. R.
DEPENDENCE OF THE HYDROGEN-CARBON RATIO
IN LIQUID FUEL UPON ITS AVERAGE SPECIFIC
GRAVITY. [1961] 6p. 12 refs.
Order from OTS or SLA \$1.10

61-20140

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945,
v. 18, p. 548-555.

DESCRIPTORS: Liquids, *Fuels, *Oils, Organic com-
pounds, *Hydrogen, *Carbon, Density, Stability.

On the example of a large number of organic com-
pounds the hydrogen-carbon ratio was correlated with
specific gravity. An equation $(H/C)' = 3.86 - 2.3D$
was derived suitable for comparative characterization
of crude oils with tars from coal and peat. Similar
equations were derived for the series of paraffins and
naphthenes. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

1. Eidus, B. R.

Office of Technical Services

Some Boundary-Value Problems in Infinite Regions,
by D. M. Eids, 28 p.
RUSSIAN, per, Izvestiya Akademi Nauk SSSR, Seriya
Matemat, 27, 1963, pp 1055-1080.

Am Math Soc
~~Vol. LXXX, Ser 2~~
Vol LXXX, Ser 2

Sci-Math
Jun 66

303,735

The Principle of Limiting Absorption, by D. M.
Eidus, 80 p.

RUSSIAN, per, National Storage, Vol. LVII(22),
1962, pp 13-44.

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Vol XLVII, Ser 2

D.M. Eidus

Oct-March
Jun 65

302,644

Matrix Method for Multicontact Relay Communications
and Control Switching Circuits Synthesis, by
M. L. Tsatlin, G. S. Fidis

RUSSIAN, per, *Electrosvyaz*, 1958, No 4, pp 41-48.

Pergamon Press

Sci

Feb 60

108 291

Temperature Dependence of the Elastic Constants of
Monocrystals of Sodium Chloride and Silver Chloride,
by A. V. Stepanov, I. M. Edus, 6 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret. Fiz., Vol XXII,
No 5, May 1955, pp 669-675.

Amer Inst of Physics
Soviet Physics, Vol II, No :

Sci - Physics
1955

43, 716

THE TRANSMISSION OF VIBRATIONS IN RADIO-
BIOLOGY, by L. K. Edus.
PUBLISHED, FOR THE AMERICAN PHYSICAL SOCIETY,
WASHINGTON, D. C., 1940, pp. 134-135.
WAC 2825

44

L. K. Edus

SEP/1941
SEP 66

Investigation in Vitro of the Mechanism of
Action of Chemical Radioprotectors. Communication I.
by E. E. Ganassi, L. Kh. Eidus, E. A. Arifulina,
10 pp.

RUSSIAN, per, Radiobiol, Vol III, No 3, 1963,
pp 440-446.

AEC-Tr-5436

Sci

Mar 64

253,851

A Study of the Mechanism of Radiation "After
Effect" in Proteins, by L. Kh. Eidus, E. E.
Gerasimov, 9 pp.

RUSSIAN, per, Biofiz, Vol IV, No 2, 1959, pp 215-
222.

Pergamon Press

Sci

Mar 60

110, 788

Existence of Several Types of Latent Damage to Crystallized
Myosin Molecules, by L. Kh. Eldar, Ye. N. Gerasim, 5 pp.

RUSSIAN, per, Miotizim, Vol. V, No 3, 1960, pp 334-338.

FP

Sci -
Apr 61

149,894

The Existence of Some Enzymatically Active States of
Myosin with Different Thermostability, by L. Kh.
Eidus, G. K. Otarova, 14 pp.

RUSSIAN, per, Biokhimiya, Vol XXIV, No 6, 1959,
pp 982-992.

Consultants Bureau

Sci

Jul 60

120,345

Study of the Movement of Nutritive Substances
Within a Plant, by A. M. Kuzin, V. I. Merenova,
L. M. Eidelman.

RUSSIAN, per, Fiz Rastaniy, Vol III, No 2, 1956,
pp 121-124. CIA 9037523

USDA

Sci - Biology
Mar 59

83,526

Analysis of the Effect of the Chief Physical Factors
Changing Radiosensitivity, by L. Kh. Bidas, Ye. E.
Gancsai, 11 pp.

RUSSIAN, per, Biofiz, Vol V, No 5, 1960, pp 523-532.

RT

Sci

Jan 61

157,864

The Mechanism of the Oxygen Effect in Radiobiology,
by L. Kh. El'dus, N. V. Kondakova, and G. K. Oterova.
4 pp.

RUSSIAN, part, Biofizika, Vol. III, No 2, 1958, pp
215-219.

Pergamon Inst

Sci - Med
Feb 59

81, 645

INFLUENCE OF TERMINAL SUBSTITUENTS IN 5-
NITROFURYL POLYENE DERIVATIVES ON THEIR
ELECTRONIC SPECTRA, BY YA. A. EIDUS, K. K.
VENTER, 4pp.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI, NO 3,
1961, PP 655-658.

CB

SCI
AU

205.819

Mechanism of the Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen, by Y. T. Rikus, 17 p.

RUSSIAN, par, Uspekhi Khimii, 1951, Vol XX, No 1,
pp 54-70.

SLA 59-16365

Sci
Feb 60
Vol 2, No 12

109,209

Mechanism of the Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen, by Y. T. Eidus.

RUSSIAN, rpt, 13 pp.

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US Bur of Mines
Info Circular 7621

Sci - Chem, Engr

Feb 59

81,180

Ultraviolet Absorption Spectra of Nitrofurans., 50
by Ya. Eidus, L. Nutsenbetse,
RUSSIAN, per. Izvestiya Akademii Nauk Latvishoi
SSR, Vol 11, 1961, pp 65-82.
NLL RTS 3257

Ya. Eidus
Sci - Chem
Sept. 67

340,389

Eldus, Ya. T., Nefedov, B. K., and Lobzova, A. V.
 CATALYTIC POLYMERIZATION OF OLEFINS. PT. 15.
 LIQUID PRODUCTS OF ETHYLENE POLYMERIZA-
 TION ON THE CATALYST NICKEL-OXIDE-ALUMINO-
 SILICATE UNDER HIGHER PRESSURE. [1963] [9]p.
 5 refs.

Order from OTS, SLA, or ETC \$1.10 TT-63-18842

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 1]
 p. 21-27. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes,
 Polymerization, *Catalysts, *Nickel catalysts,
 *Aluminum compounds, *Silicates, Liquids, Hydro-
 carbons, Raman spectroscopy

The polymerization of ethylene on impregnated
 NiO-aluminosilicate catalyst at 275-300 C under
 5-30 atm. in a space velocity range from 100 to 2,000
 (Materials--Plastics, TT, v. 11, no. 1) (over)

TT-63-18842

I. Eldus, Ya. T.
 II. Nefedov, B. K.
 III. Lobzova, A. V.
 IV. Title in Russian

Office of Technical Services

Catalytic Polymerization of Olefins.
Communication 10. Effect of Temperature
and Time of Contact on the Course of the
Polymerization of Ethylene over Nickel
Catalysts, by Ya. T. Eidus, K. V. Puzitskiy, &
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1960, pp 1114-1118.

CB

105,646

Sci
May 62

The Catalytic Hydrocondensation of Carbon Monoxide
With Olefins and Their Hydropolymerization Under
the Influence of Carbon Monoxide and Hydrogen,
Communication 32. Conversion of Octene-1., by
N. I. Ershov, Ya. T. Eidus, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1961, pp 1695-1702.

CB

Sci
Jul 62

202,032

Eidus, Ya. I. and Zelinskii, N. D.
CARBIDE FORMATION AS AN INTERMEDIATE
STAGE OF CATALYTIC SYNTHESIS OF HYDRO-
CARBONS FROM WATER GAS. [1962] 7p. 13 refs.
Order from OIS or SLA \$1.10 62-14616

Trans. of Akademiya Nauk SSSR, Otdeleniye Khimicheskikh Nauk, Izvestiya, 1962 (no. 4) p. 190-194.

DESCRIPTORS: *Carbides, Production, *Hydrocarbons, *Gasolens, Synthesis, *Hydrogen, *Carbon compounds, *Monoxides, Chemical reactions, Cobalt, Thorium compounds, Dioxides, Catalysts, Catalysis.

It was established that carbides formed under the action of carbon monoxide on the cobalt-thorium dioxide-reduced (Dr. G. Kasanin, Georgian) catalyst composed in the presence of 100.1% (H) constitute neither intermediate products of catalysis promoting the formation of hydrocarbons (1, 2, 3, 4, 5, 6, 7, 8, 9, 10).

62-14616

I. Eidus, Ya. I.
II. Zelinskii, N. D.

(22189)

Office of Technical Services

Catalytic Isomerization of Cyclopropane in Mix-
tures with Olefins, by N. I. Ershov, V. R. Erokhina,
Ya. T. Ridus, 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1960, pp 1495-1499.

CB

Sci

170,520

Sep 61

J
X

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins and Their Hydropolymerization Under the Action
of Carbon Monoxide and Hydrogen. Communication 34.

Mutual Transitions of the Reactions of the Formation of
Hydrocarbons From Mixtures of Ethylene, Hydrogen, and
Carbon Monoxide, by Ya. T. Eidus, N. I. Ershov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10,
1961, pp 1878-1879.

CB

ATS: RJ-3208

Sci
Jul 62

205,121

Catalytic Polymerization of Olefins, XIII.
Polymerization of Isobutylene in the Presence
of Some Silicagel Samples. by Ya.T. Fikus,
B.K. Mefedov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 894-900.

CB

Sci

Mar 62

189.024

61-18236

Eidus, Ya. T.

I. Eidus, Ya. T.

INVESTIGATION OF CATALYSTS FOR HYDROGENATION OF CARBON MONOXIDE BY SIMULTANEOUS APPLICATION OF THE DYNAMIC AND STATIC METHODS. III. THE PART PLAYED BY THE ALKALINE ACTIVATOR IN THE FORMATION OF THE SURFACE OF THE CATALYST IRON-COPPER-THORIA-POTASSIUM CARBONATE-KIESELGUHR [Issledovanie Katalizatorov Gidrirovaniya Oksii Ugleroda Sovmestnym Primeneniyem Dinamicheskogo i Staticheskogo Metodov Soobshchenie 3]. [1961] 10p. 36 refs.

Order from OTS or SLA \$1.10 61-18236

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya. 1945, p. 62-70.

DESCRIPTORS: *Catalysts, Carbon compound, *Monoxides, *Hydrogenation, Hydrocarbons, Synthesis,

61-16879

Eldus, Ya. T., Kazanskii, B. A., and Zelinskii, N. D.
EFFECT OF THE CARRIER FOR THE Ni-NaO-
Al₂O₃ CATALYST ON THE SYNTHESIS OF LIQUID
HYDROCARBONS UNDER ATMOSPHERIC PRESSURE.
[1961] 5p. 8 refs.
Order from OTS or SLA \$1.10

61-16879

Trans. of Akademiya Nauk SSSR. Otdelente Khimicheskikh Nauk. Izvestiya, 1941, no. 1, p. 27-33.

DESCRIPTORS: *Catalysts, Synthesis, *Hydrocarbons, *Gasoline, *Nickel catalysts, Carbon compounds, Monoxides, Hydrogen, Chemical reactions

Of a number of Soviet kieselguhrs, the advantages of two samples from Caucasus were established. These samples were used after removal of iron compounds from them, which was not necessary in all cases.

I Eldus, Ya. T.
II Kazanskii, B. A.
III Zelinskii, N. D.

61-16912

Eldus, Ya. T. and Elagina, N. V.
EFFECT OF THE COMPOSITION OF THE CONTACT
AND THE NATURE OF THE CARRIER ON THE
ACTIVITY AND THE STABILITY OF THE CATALYST
IRON-COPPER-THORIA-POTASSIUM CARBONATE IN
THE SYNTHESIS OF LIQUID HYDROCARBONS FROM
CARBON MONOXIDE AND HYDROGEN. [1961] 7p.
13 refs.

Order from OTS or SLA \$1.10

61-16912

Trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya, 1943, p. 305-311.

DESCRIPTORS: *Hydrocarbons, Synthesis, Carbon
compounds, *Monoxides, Hydrogen, Chemical
reactions, *Catalysts, Stability, Properties, Iron,
Copper, Thorium compounds, Oxides, Potassium
compounds, Carbocates.

Preparation of 18 catalysts of the composition Fe-Cu

I. Eldus, Ya. T.
II. Elagina, N. V.

Office of Technical Services

Eidus, Ya. T., Epifanski, P. F. and others.
THE ACTIVATING EFFECT OF OXIDES OF SOME
METALS ON THE IRON-COPPER CONTACTS USED
FOR SYNTHESIS OF GASOLINE FROM WATER GAS.
[1961] 7p. 23 refs.

Order from OTS or SLA \$1.10

61-16927

Trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya, 1943, p. 145-151.

DESCRIPTORS: *Gasoline, Synthesis, *Catalysts,
Oxides, Carbon compounds, Monoxides, Hydrogen.

Fifteen catalysts were tested for synthesis of gasoline
from water gas. These catalysts contained the fol-
lowing components: 100 Fe: 25 Cu: 2K₂CO₃: 125
Kieselguhr. The activating effect of pro-
moters was investigated, consisting of oxides of various
metals (manganese, magnesium, aluminum, thorium),
used in amounts of 2% on the iron. As a rule catalysts
prepared by precipitation were more active than those:
(Materials--Fuels, IT, v. 6, no. 7) (over)

61-16927

I. Eidus, Ya. T.
II. Epifanski, P. F.

Office of Technical Services

61-16635

Eldus, Ya. T. and Zelinskii, N. D.

INTERACTION OF CARBON MONOXIDE WITH COBALT CATALYSTS USED FOR SYNTHESIS OF GASOLINE FROM WATER GAS. [1961] [9]p. 22 refs.

Order from OTS or SLA \$1. 10

61-16635

I. Eldus, Ya. T.

II. Zelinskii, N. D.

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1942 [no. 1] p. 45-53.

DESCRIPTORS: *Gasoline, Synthesis, Hydrocarbons, Carbon compounds, Monoxides, *Cobalt catalysts,

Interaction of carbon monoxide with the catalyst cobalt-thorium dioxide-kieselguhr used for synthesis of gasoline from water gas was investigated in experiments by the flow method within the temperature interval of 190 to 270°. Interaction in the solid phase leads to formation of a carbide and liberation of free carbon. At 190-210° carbide formation is the prevailing reaction. Carbon is formed in but slight amounts at

(Materials--Fuels, T.I. v. 6, no. 7)

(over)

Office of Technical Services

61-16884

I. Eidus, Ya. T.
II. Fedichkina, T. L.

Eidus, Ya. T., Fedichkina, T. L. and others.
LOWERING THE REDUCTION TEMPERATURE OF
CATALYSTS FOR SYNTHESIS OF LIQUID HYDRO-
CARBONS FROM CARBON MONOXIDE AND HYDRO-
GEN UNDER ATMOSPHERIC PRESSURE. [1961] 7p.
10 refs.

Order from OTS or SLA \$1.10

61-16884

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1941, no. 1, p. 34-40.

DESCRIPTORS: Temperature, *Catalysts, Synthesis,
*Hydrocarbons, Carbon compounds, Monoxides,
Hydrogen, *Gasoline, Nickel catalysts

Several nickel and cobalt catalysts used for synthesis of liquid hydrocarbons from carbon monoxide and hydrogen were investigated to determine whether the temperatures of their reduction could be lowered. The nickel catalysts obtained from oxalates and formates,

(Materials: Fuels, TT, v. 6, no. 6)

(over)

Office of Technical Services

61-16862

Bidus, Ya. T. and Nechaeva, N. N.
EFFECT OF SOME ELECTRICAL FACTORS ON THE
CHEMICAL REACTIONS OF ETHYLENE IN HIGH
FREQUENCY CORONA DISCHARGE. [1961] 5p. 22 refs.
Order from OTS or SLA \$1.10 61-16862

I. Bidus, Ya. T.
II. Nechaeva, N. N.

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1940, no. 1, p. 153-160.

DESCRIPTORS: *Ethylenes, Chemical reactions, High
frequency, Electrical corona, Electrical properties.

Experiments are reported on the effect of the wattage
and frequency of high frequency corona discharge with
damped oscillations on chemical conversions of ethyl-
ene and particularly on its dehydrogenation to acety-
lene. The wave length within 190 to 500 meters is prac-
tically without any effect. The dependence of the yields
of reaction products (acetylene, hydrogen, paraffins) .
upon the power within 0.3 to 30 watts is given. (Author)
(Chemistry--Physical, TT, v. 6. no. 6)

Office of Technical Services

61-18173

Eldus, Ya. T.

INVESTIGATION OF CATALYSTS FOR HYDROGENATION OF CARBON MONOXIDE BY SIMULTANEOUS APPLICATION OF THE DYNAMIC AND STATIC METHODS. I. ACTIVITY OF THE COMPLEX CATALYST Fe-Cu-ThO₂-K₂CO₃-KIESELGUHR [Issledovanie Katalizatorov Otdirovaniya Oksid Ugleroda Sovmestnym Primeneniem Dinamicheskogo i Staticheskogo Metodov. Soobshchenie I. Izucheniye Aktivnosti Slozhnogo Fe-Cu-ThO₂-K₂CO₃-Kizel'gurkatalizatora]. [1961] 7p. 13 refs.

Order from OTS or SLA \$1.10

61-18173

Trans. of Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya. 1944 [no. 4] p. 255-261.

Another translation is available from SLA as RT-622.

DESCRIPTORS: *Catalysts, Carbon compounds, *Monoxides, *Hydrogenation, Hydrocarbons, Synthesis, *Iron catalysts, Iron, Copper, Thorium compounds, Oxides, Potassium compounds, Carbonates, *Kieselguhr (Chemistry-Physical, TT, v. 6, no. 6) (over)

I. Eldus, Ya. T.

II. Title: Activity...

Office of Technical Services

Catalytic Polymerization of Olefins. Communication 1. Liquid Products of the Polymerization of Ethylene Over a Catalyst of Nickelous Oxide and Aluminum Silicate, by Ya. T. Eids, K. V. Puzitskiy, V. T. Aleksanyan, et al, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1959, pp 1787-1793.

CB

Sci

157,978

Jan 61

63-18254

Eldus, Ya. T.
STUDY OF CATALYSTS FOR HYDROGENATION OF
CARBON MONOXIDE BY COMBINED USE OF
DYNAMIC AND STATIC METHODS. COMMUNICA-
TION 4: COMPARATIVE STUDY OF KINETICS OF
CARBIDE FORMATION AND HYDROGENATION OF
CARBON MONOXIDE OVER Co, Ni AND Fe
CATALYSTS. [1963] 12p. (figs. omitted) 8 refs.
Order from OTS or SLA \$1.60 63-18254

Trans. of Akademiya Nauk SSSR. O[tdelende] Kh[imi-
cheskikh] N[auk]. Izvestiya, 1946, no. 4, p. 447-453.
Another trans. is available from OTS or SLA \$1.10
as 61-20115 [1961] 7p.

DESCRIPTORS: *Carbides, *Carbon compounds,
*Monoxides, Hydrogenation, *Iron catalysts, *Cobalt
catalysts, *Nickel catalysts, Reaction kinetics,
Catalysts.
(Chemistry--Physical, TT, v. 10, no. 11)

I. Eldus, Ya. T.
II. Title: Comparative...

Office of Technical Services

The Development of Chemical Activity of Intermediate Forms of a Type of Surface Hydrocarbon Radicals in the Heterogeneous Catalysis of Carbon Monoxide and Olefins, by Ya. T. Eidus, 8 pp

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 1, 1960, pp 117-124.

CB

Sci
Jul 61

158, 137

Acid-Catalyzed Synthesis of Esters and Other
Carboxylic Acid Derivatives from Carbon Monoxide,
Olefins, and Acylating Compounds, III. Synthesis
of Esters from n-C₅-C₇ α -Olefins, by K. V.
Puzitskiy, Ye. T. Kichin, I. V. Gusevn, K. G.
Ryabova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXIX, No 12,
1959, pp 4014-4018.

CB

133,232

Sci

Nov 60

Catalytic Polymerization of Olefins. Communication 2.
Isomerization and Polymerization of 1-Butene Over a
Nickelous Oxide -- Aluminum Silicate Catalyst, by
Ya. T. Eidus, I. V. Guseva, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1959, pp 2195-2198.

CB

Sci
Oct. 60

130,336

Catalytic Hydrocondensation of Carbon Monoxide
with Olefins, Communication 27. Activities of
Unpromoted Cobalt Catalysts on Various Carriers
in the Synthesis of Hydrocarbons from Carbon
Monoxide, Hydrogen, and Ethylene, by Ya. T. Eidus,
K. V. Puzitskiy, N. I. Ershov, 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 331-336

CB

145,391

Scl
Apr 61

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins. Communication 22. Hydrocondensation of
Carbon Monoxide With Cyclopentene, by Ya. T. Khudus,
M. B. Ordyan, 6 pp.

RUSSIAN, per, In Ak Nauk SSSR, Otdel Khim Nauk, No 8,
1959, pp 1458-1464.

CB

Sel.
May 61

152,769

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins. Communication 23. Hydrocondensation of
Carbon Monoxide With Ethylene Over Fe and Ni
Catalysts, by Ya. T. Eldus, N. I. Krshov, I. V.
Guseva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8,
1959, pp 1465-1470.

CB

Sci. "
May 61

152, 768

Catalytic Polymerization of Olefins, Communication
5. Comparative Study of the Activities of Nickel,
Cobalt, and Iron Catalysts in the Polymerization
of Propene and the Dehydrogenation of Cyclohexane,
by Ia. I. Kikus, I. V. Guseva, A. I. Slovetzkaya,
6 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 337-343

GB

145,393

Sci
Apr 61

Hydropolymerization of Isobutene Over a Cobalt-
Clay Catalyst Under the Joint Action of Hydrogen
and Carbon Monoxide, by Ya. T. Eldus, B. K. Naïedov,
3 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 349-350

CB

Sci
Apr 61

145,396

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins. Communication 25. Effect of the
Kind of Carrier on the Activity of a Cobalt-
Thoria Catalyst in the Hydrocondensation of Carbon
Monoxide With Ethylene, by Ya. T. Eidus, K. V.
Puzitskiy, I. V. Guseva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1959, pp 2213-2218.

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Sci
Oct 60

130,340

61-18885

Eldus, Ya. T., Elagina, N. V., and Zelinskii, N. D.
SYNTHESIS OF SOME OLEFINIC HYDROCARBONS
FROM PRIMARY ALKYL MAGNESIUM HALIDES AND
CARBON MONOXIDE UNDER PRESSURE. [1961] 4p.
6 refs.

Order from OTS or SLA \$1.10

61-18885

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1945, p. 672-674.

DESCRIPTORS: *Hydrocarbons, *Ethylenes, Synthesis,
*Alkyl radicals, *Magnesium compounds, *Halides,
*Carbon compounds, *Monoxides, *Chlorides, Chemical reactions.

Preparation of 4-nonene and 2,8-dimethyl-4-nonene was carried out as examples of the synthesis of olefins with odd numbers of carbon atoms from carbon monoxide and Grignard reagents containing primary alkyls. By (Chemistry--Organic, TT, v. 6, no. 10) (over)

I. Eldus, Ya. T.
II. Elagina, N. V.
III. Zelinskii, N. D.

Office of Technical Services

The Effect of Hydrogen on the Course of the
Polymerization of Isobutylene Over Catalyst
for the Hydrocondensation of Carbon Monoxide
With Olefins, by Ya. T. Eidus, B. K. Mefedov,
4 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Vol. CXXIV,
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